

1                   2. (Twice Amended) The system of claim 1 wherein the central office  
2 transmits XDSL signal using an asynchronous transfer mode (ATM) protocol, and the  
3 regenerator encoder is arranged to selectively repackage the base data into either the  
4 ATM protocol format or a direct transmission protocol format depending on the  
5 protocol requirements of the original destination.

1                   8. (Amended) The method of claim 7 further comprising transmitting  
2 XDSL signals from the central office transmits using an asynchronous transfer mode  
3 (ATM) protocol, and selectively repackaging the base data into either the ATM  
4 protocol format or a direct transmission protocol format depending on the protocol  
5 requirements of the destination original terminal.